

Tifton, Georgia: Later Maturity Cotton Variety Performance, 2012, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
DP 1252 B2RF	2183	43.2	84.1	1.17	26.9	4.3
PX 5322-11 WRF	2120	38.4	84.3	1.25	27.0	4.0
NGX0012B2RF	2105	42.0	84.4	1.20	26.2	4.4
DP 1050 B2RF	2105	41.8	84.1	1.19	26.5	4.3
DG2610 B2RF	2081	41.5	84.6	1.19	26.9	4.3
PHY 499 WRF	2033	41.4	84.1	1.17	28.8	4.5
DP 1034 B2RF	2021	42.1	83.8	1.20	26.2	4.4
DP 1048 B2RF	2017	41.5	84.3	1.20	25.7	4.3
CG 3787 B2RF	2005	42.1	84.9	1.20	27.2	4.4
BX1348GLB2	2001	38.7	83.8	1.25	29.1	4.3
MON 11R154B2R2	1908	40.8	84.1	1.21	30.5	4.5
MON 11R159 B2RF	1905	40.1	83.0	1.20	30.5	4.4
DP 1137 B2RF	1858	41.5	84.5	1.18	28.0	4.5
All-Tex Nitro 44 B2RF	1839	37.8	85.2	1.27	31.3	3.8
MON 11R136B2R2	1839	38.9	85.7	1.27	31.3	4.1
GA2007095	1835	38.2	83.7	1.19	29.5	4.3
NG 1511 B2RF	1830	39.5	82.9	1.16	28.7	4.4
GA2004230	1822	38.5	84.2	1.26	30.1	3.9
PHY 565 WRF	1762	38.6	84.3	1.20	29.9	4.1
GA2008083	1720	39.6	84.1	1.17	30.8	4.3
PHY 375 WRF	1638	38.8	83.6	1.15	27.9	4.2
PHY 440 W	1637	37.5	84.4	1.18	29.3	4.2
SSG CT310 HQ	1352	34.5	83.4	1.16	33.1	4.2
Average	1896	39.9	84.1	1.20	28.7	4.2
LSD 0.10	171	0.4	N.S. ¹	0.03	1.8	0.2
CV %	7.6	0.9	0.8	1.42	3.6	3.3

* To determine percent lint fractions and quality parameters plot seed cotton was processed through the Micro-Gin located on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: April 30, 2012.

Harvested: September 28, 2012.

Seeding Rate: 4 seeds/foot in 36' rows.

Soil Type: Tifton loam.

Soil Test: P = Medium, K = Medium, and pH = 5.9.

Fertilization: 18 lb N, 54 lb P₂O₅, and 108 lb K₂O/acre. Sidedress: 80 lb N and 60 lb K₂O/acre.

Previous Crop: Peanuts.

Management: Disked, ripped and bedded; Prowl, Cotoran and Reflex used for weed control; Bidrin and Tracer used for insect control; Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.80	0.50	0.80	3.00	0	0	0
Rainfall (in):	1.13	3.20	4.61	3.20	9.95	2.21	2.48

Trials conducted by A. Coy, R. Brooke, D. Dunn, S. Willis and L. Thompson.